RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10 521,634
Source: PCT
Date Processed by STIC: 2/3/05

ENTERED

PCT

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RAW SEQUENCE LISTING                    DATE: 02/03/2005
PATENT APPLICATION:  US/10/521,634      TIME: 13:04:49

Input Set : A:\Seqlist.txt
Output Set: N:\CRF4\02032005\J521634.raw
```

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    4 <110> APPLICANT: Seed, Brian
    5         Yang, Yi
    7 <120> TITLE OF INVENTION: Methods For the Production of Cells and
    8         Mammals With Desired Genetic Modifications
   11 <130> FILE REFERENCE: 00786/432002
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/521,634
C--> 13 <141> CURRENT FILING DATE: 2005-01-19
   13 <150> PRIOR APPLICATION NUMBER: PCT/US03/24322
   14 <151> PRIOR FILING DATE: 2003-08-01
   16 <150> PRIOR APPLICATION NUMBER: US 60/400,900
   17 <151> PRIOR FILING DATE: 2002-08-02
   19 <160> NUMBER OF SEQ ID NOS: 47
   21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
   23 <210> SEQ ID NO: 1
   24 <211> LENGTH: 22
   25 <212> TYPE: DNA
   26 <213> ORGANISM: Artificial Sequence
   28 <220> FEATURE:
   29 <223> OTHER INFORMATION: Primers
   31 <400> SEQUENCE: 1
   32 ggccagggtg ttgtccggca cc                              22
   34 <210> SEQ ID NO: 2
   35 <211> LENGTH: 20
   36 <212> TYPE: DNA
   37 <213> ORGANISM: Artificial Sequence
   39 <220> FEATURE:
   40 <223> OTHER INFORMATION: Primers
   42 <400> SEQUENCE: 2
   43 aaggttgggc ttcggaatcg                                 20
   45 <210> SEQ ID NO: 3
   46 <211> LENGTH: 23
   47 <212> TYPE: DNA
   48 <213> ORGANISM: Artificial Sequence
   50 <220> FEATURE:
   51 <223> OTHER INFORMATION: Primers
   53 <400> SEQUENCE: 3
   54 acagatgcgt aaggagaaaa tac                             23
   56 <210> SEQ ID NO: 4
   57 <211> LENGTH: 23
   58 <212> TYPE: DNA
   59 <213> ORGANISM: Artificial Sequence
   61 <220> FEATURE:
   62 <223> OTHER INFORMATION: Primers
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RAW SEQUENCE LISTING   DATE: 02/03/2005
PATENT APPLICATION: US/10/521,634   TIME: 13:04:49

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64 <400> SEQUENCE: 4
65 cgccctatag tgagtcgtat tac                                23
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 23
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Primers
75 <400> SEQUENCE: 5
76 atagtgtcac ctaaatagct tgg                                23
78 <210> SEQ ID NO: 6
79 <211> LENGTH: 23
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Primers
86 <400> SEQUENCE: 6
87 ggcacgacag gtttcccgac tgg                                23
89 <210> SEQ ID NO: 7
90 <211> LENGTH: 21
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Primers
97 <400> SEQUENCE: 7
98 gaggacatct ttccctcagg c                                  21
100 <210> SEQ ID NO: 8
101 <211> LENGTH: 20
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Primers
108 <400> SEQUENCE: 8
109 cagaggctct gagtaagacc                                   20
111 <210> SEQ ID NO: 9
112 <211> LENGTH: 23
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Primers
119 <400> SEQUENCE: 9
120 ccgtcttcca gccacggagc ggg                               23
122 <210> SEQ ID NO: 10
123 <211> LENGTH: 24
124 <212> TYPE: DNA
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Primers
130 <400> SEQUENCE: 10
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RAW SEQUENCE LISTING   DATE: 02/03/2005
PATENT APPLICATION: US/10/521,634   TIME: 13:04:49

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131 ggcgatatct gccgttggtt ctaa                                   24
133 <210> SEQ ID NO: 11
134 <211> LENGTH: 22
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Primers
141 <400> SEQUENCE: 11
142 ccgaattcca ggctactgga aa                                     22
144 <210> SEQ ID NO: 12
145 <211> LENGTH: 24
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Primers
152 <400> SEQUENCE: 12
153 cccggatccc acctcctctc tagg                                   24
155 <210> SEQ ID NO: 13
156 <211> LENGTH: 24
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Primers
163 <400> SEQUENCE: 13
164 ggcgaagctt tctgagcctt tagt                                   24
166 <210> SEQ ID NO: 14
167 <211> LENGTH: 19
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Primers
174 <400> SEQUENCE: 14
175 tggctaaatt cactaagtg                                         19
177 <210> SEQ ID NO: 15
178 <211> LENGTH: 24
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Primers
185 <400> SEQUENCE: 15
186 cctctgagga tctgctacta ctgc                                   24
188 <210> SEQ ID NO: 16
189 <211> LENGTH: 24
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Primers
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205 <223> OTHER INFORMATION: Primers
207 <400> SEQUENCE: 17
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211 <211> LENGTH: 21
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Primers
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221 <210> SEQ ID NO: 19
222 <211> LENGTH: 22
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Primers
229 <400> SEQUENCE: 19
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233 <211> LENGTH: 21
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Primers
240 <400> SEQUENCE: 20
241 ctggatttgc tctgggctga g                                         21
243 <210> SEQ ID NO: 21
244 <211> LENGTH: 21
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Primers
251 <400> SEQUENCE: 21
252 gctggcgcaa agtgggctct g                                         21
254 <210> SEQ ID NO: 22
255 <211> LENGTH: 23
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Primers
262 <400> SEQUENCE: 22
263 ccgggaaggc cagctgacag atg                                       23
265 <210> SEQ ID NO: 23
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RAW SEQUENCE LISTING   DATE: 02/03/2005
PATENT APPLICATION: US/10/521,634   TIME: 13:04:49

Input Set : **A:\Seqlist.txt**
Output Set: **N:\CRF4\02032005\J521634.raw**

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266 <211> LENGTH: 21
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Primers
273 <400> SEQUENCE: 23
274 gaggacatct ttccctcagg c                              21
276 <210> SEQ ID NO: 24
277 <211> LENGTH: 20
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Primers
284 <400> SEQUENCE: 24
285 cagaggctct gagtaagacc                                20
287 <210> SEQ ID NO: 25
288 <211> LENGTH: 22
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Primers
295 <400> SEQUENCE: 25
296 aataacctgg atgcctgctg cg                             22
298 <210> SEQ ID NO: 26
299 <211> LENGTH: 22
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Primers
306 <400> SEQUENCE: 26
307 gaaggttgat aggcttgctg ag                             22
309 <210> SEQ ID NO: 27
310 <211> LENGTH: 23
311 <212> TYPE: DNA
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Primers
317 <400> SEQUENCE: 27
318 taatcccatg aaccctcagc aag                            23
320 <210> SEQ ID NO: 28
321 <211> LENGTH: 23
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: Primers
328 <400> SEQUENCE: 28
329 gcatcatcag atcccatact cag                            23
331 <210> SEQ ID NO: 29
332 <211> LENGTH: 24
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VERIFICATION SUMMARY DATE: 02/03/2005
PATENT APPLICATION: **US/10/521,634** TIME: 13:04:50

Input Set : **A:\Seqlist.txt**
Output Set: **N:\CRF4\02032005\J521634.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date